

Title (en)
ECHO-BASED FOCUSING CORRECTION

Title (de)
ECHOBASIERTE FOKUSSIERUNGSKORREKTUR

Title (fr)
CORRECTION DE FOCALISATION BASÉE SUR L'ÉCHO

Publication
EP 3897391 B1 20231115 (EN)

Application
EP 19856502 A 20191218

Priority
• US 201862781258 P 20181218
• IB 2019001340 W 20191218

Abstract (en)
[origin: WO2020128615A1] Various approaches for focusing an ultrasound transducer include introducing at least one transient acoustic reflector located in proximity to at least one target region; generating multiple sonications to the at least one target region; measuring a reflection signal of each of the sonications off the at least one transient acoustic reflector; selecting the measured reflection signals, and based at least in part on the selected reflection signals, adjusting a parameter value associated with at least one of the transducer elements so as to improve an ultrasound focus at the target region.

IPC 8 full level
A61N 7/00 (2006.01); **A61B 8/00** (2006.01); **A61B 8/08** (2006.01); **A61N 7/02** (2006.01); **G01S 7/52** (2006.01); **G01S 15/89** (2006.01)

CPC (source: EP US)
A61B 8/481 (2013.01 - EP); **A61B 8/54** (2013.01 - EP US); **A61B 8/585** (2013.01 - EP); **A61N 7/02** (2013.01 - EP); **G01S 7/52039** (2013.01 - EP); **G01S 7/52049** (2013.01 - EP); **G01S 15/892** (2013.01 - EP US); **A61N 2007/0039** (2013.01 - EP); **A61N 2007/0078** (2013.01 - EP); **A61N 2007/0095** (2013.01 - EP)

Cited by
US11813485B2; US11648424B2; US11813484B2; US11980778B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2020128615 A1 20200625; CN 113316419 A 20210827; CN 113316419 B 20240723; EP 3897391 A1 20211027; EP 3897391 B1 20231115; EP 3897391 C0 20231115; JP 2022514272 A 20220210; JP 7201819 B2 20230110; US 11879973 B2 20240123; US 2022043143 A1 20220210

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